

CLAIMS

What is claimed is:

1. A system for removably and adjustably mounting a device on a surface, comprising:
a rail formed with at least two tracks; and
one or more clamps for connecting the system to the surface.
2. A system for removably and adjustably mounting a device on a surface as recited in claim 1, wherein the at least two tracks include a channel extending the length of the rail.
3. A system for removably and adjustably mounting a device on a surface as recited in claim 2, wherein the channel in the at least two tracks is formed with a slot extending the length of the rail.
4. A system for removably and adjustably mounting a device on a surface as recited in claim 3, wherein the slot in one of the at least two tracks is formed at substantially a right angle to the slot in any other of the at least two tracks.
5. A system for removably and adjustably mounting a device on a surface as recited in claim 1, wherein the rail is formed with a body having a proximal end, a distal end, and a hollow chamber therebetween.
6. A system for removably and adjustably mounting a device on a surface as recited in claim 1, ~~wherein the one or more clamps is formed as a duct with at least two opposing shoulders.~~
7. A system for removably and adjustably mounting a device on a surface as recited in claim 6, wherein the opposing shoulders of the one or more clamps are substantially perpendicular to one another.
8. A system for removably and adjustably mounting a device on a surface as recited in claim

1, wherein the one or more clamps is formed with a leg having a base, a descending member monolithically extending from the base, and an ascending member monolithically extending from the base in a direction substantially opposite the direction of the descending member.

9. A system for removably and adjustably mounting a device on a surface as recited in claim 1, wherein the one or more clamps include means for connecting the device to the rail.

10. An apparatus for positioning a module on a surface, comprising:
a footing grid, wherein the footing grid includes at least one keeper;
at least one dual track rail removably mountable on the footing grid; and
one or more clamps variably positionable on the dual track rail and footing grid for demountably securing the module to the footing grid.

11. An apparatus for positioning a module on a surface as recited in claim 10, wherein the footing grid further comprises means for variably positioning the at least one dual track rail on the at least one keeper.

12. An apparatus for positioning a module on a surface as recited in claim 10, wherein the at least one dual track rail includes a body having a proximal end, a distal end, a hollow chamber between the proximal end and distal end, opposing sides, and opposing shoulders.

13. An apparatus for positioning a module on a surface as recited in claim 12, wherein the body further comprises a first channel formed in one of the opposing sides for slidably engaging the rail to the footing grid.

14. An apparatus for positioning a module on a surface as recited in claim 13, wherein the first channel is formed with a slot extending along the longitudinal axis of the dual track rail.

15. An apparatus for positioning a module on a surface as recited in claim 14, wherein the slot includes opposing jaws monolithically protruding from the slot substantially along the longitudinal axis of the first channel.

16. An apparatus for positioning a module on a surface as recited in claim 12, wherein the body further comprises a second channel formed in one of the opposing shoulders for slidably engaging the rail on the one or more clamps.

17. An apparatus for positioning a module on a surface as recited in claim 10, wherein the one or more clamps is formed with a plate and monolithic opposing side walls extending substantially in the same direction at substantially right angles from the plate.

18. An apparatus for positioning a module on a surface as recited in claim 17, wherein the opposing side walls include a lower inner edge and an upper face, and a fin extending from the upper face substantially along the longitudinal axis of the at least one dual track rail.

19. An apparatus for positioning a module on a surface as recited in claim 10, wherein the one or more clamps includes means for variably positioning the one or more clamps in the second channel, and for positioning the at least one keeper in the first channel of the at least one dual track rail.

20. An apparatus for positioning a module on a surface as recited in claim 10, wherein the one or more clamps is formed with at least one hole through the plate for securing the clamp on the at least one dual track rail.

21. An apparatus for positioning a module on a surface as recited in claim 10, wherein the one or more clamps is formed with a leg having a base with a first side and a second side, a leading surface and a following surface, a descending member monolithically extending from the first side in a direction opposite the following surface, and an ascending member monolithically extending

from the second side in a direction opposite the leading surface.

22. An apparatus for positioning a module on a surface as recited in claim 21, wherein the ascending member further includes a projecting distally longitudinal fin extending from the second side in the direction opposite the ascending member.

23. An apparatus for positioning a module on a surface as recited in claim 22, wherein the base is formed with at least one hole through the base.

24. A method for installing one or more devices on a plurality of keepers located on a surface, comprising:

mounting removably one or more dual track rails on the plurality of keepers;
selecting a module having opposing edges;
positioning the module on the one or more dual track rails; and
securing the opposing edges of the module to the one or more dual track rails with one or more clamps.

25. A method for installing one or more devices on a plurality of footings located on a surface as recited in claim 24, wherein the one or more dual track rails mounting step includes the substep of arranging one or more keepers into a footing grid.

26. A method for installing one or more devices on a plurality of footings located on a surface as recited in claim 24, wherein the one or more dual track rails mounting step includes the substeps of:

selecting a body having a proximal end, an distal end, opposing sides, and opposing shoulders;

shaping the body to form in one of the opposing sides a channel extending substantially coincident with the longitudinal axis of the one or more dual track rails, for slidably engaging the rail on the footing grid;

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further shaping the body to form a slot in the channel extending substantially coincident with the longitudinal axis of the one or more dual track rails; and

configuring the slot to provide opposing jaws monolithically protruding from the slot into the channel substantially coincident with the longitudinal axis of the first channel.

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27. A method for installing one or more devices on a plurality of footings located on a surface as recited in claim 26, wherein the one or more dual track rails mounting step also includes the substeps of:

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shaping the body to form a second channel in one of the opposing shoulders for slidably engaging the rail on the footing grid;

further shaping the body to form a slot in the second channel extending substantially coincident with the longitudinal axis of the one or more dual track rails; and

configuring the slot to provide opposing jaws monolithically protruding from the slot into the channel substantially coincident with the longitudinal axis of the second channel.

28. A method for installing one or more devices on a plurality of footings located on a surface as recited in claim 24, wherein the module positioning step includes the substeps of:

furnishing one or more clamps formed with a plate and monolithic opposing side walls extending substantially in the same direction at substantially right angles from the plate; and

configuring the opposing side walls to form a lower inner edge and an upper face, and a fin extending from the opposing side walls substantially coincident with the longitudinal axis of the one or more dual track rails.

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29. A method for installing one or more devices on a plurality of footings located on a surface as recited in claim 24, wherein the module securing step includes the substeps of:

furnishing one or more clamps formed with a leg having a base, a first side, and a second side, a leading surface and a following surface;

shaping the leg to include a descending member monolithically extending from the first side in a direction opposite the following surface;

shaping the leg to include an ascending member monolithically extending from the second side in a direction opposite the leading surface; and

further shaping the leg to provide a on the ascending member a projecting distally longitudinal fin extending from the second side in the direction opposite the ascending member.

30. A method for installing one or more devices on a plurality of footings located on a surface as recited in claim 24, wherein the module securing step includes the substep of shaping the one or more clamps for connection to the plurality of keepers located on a surface and to the one or more dual track rails.

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